BRUHATH BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Name of the work: Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

Second and Part Bill
Detailed Measurement

30

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)										
	Desilt										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	90.00		1.00	30.00			0.60	0.60	10.80	
	90.00	120.00		1.00	30.00			0.60	0.60	10.80	
	120.00	150.00		1.00	30.00			0.60	0.60	10.80	
	150.00	180.00		1.00	30.00			0.60	0.60	10.80	
	180.00	210.00		1.00	30.00			0.60	0.60	10.80	
	210.00	240.00		1.00	30.00			0.60	0.60	10.80	
	240.00	270.00		1.00	30.00			0.60	0.60	10.80	
	270.00	300.00		1.00	30.00			0.60	0.60	10.80	
	300.00	330.00		1.00	30.00			0.60	0.60	10.80	
	330.00	360.00		1.00	30.00			0.60	0.60	10.80	
	360.00	390.00		1.00	30.00			0.60	0.60	10.80	
	390.00	420.00		1.00	30.00			0.60	0.60	10.80	
	420.00	452.70		1.00	32.70			0.60	0.60	11.77	
	RHS										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	90.00		1.00	30.00			0.60	0.60	10.80	
	90.00	120.00		1.00	30.00			0.60	0.60	10.80	
	120.00	150.00		1.00	30.00			0.60	0.60	10.80	
	150.00	180.00		1.00	30.00			0.60	0.60	10.80	
	180.00	210.00		1.00	30.00			0.60	0.60	10.80	
	210.00	240.00		1.00	30.00			0.60	0.60	10.80	
	240.00	270.00		1.00	30.00			0.60	0.60	10.80	
	270.00	300.00		1.00	30.00			0.60	0.60	10.80	
	300.00	330.00		1.00	30.00			0.60	0.60	10.80	
	330.00	360.00		1.00	30.00			0.60	0.60	10.80	
	360.00	390.00		1.00	30.00			0.60	0.60	10.80	
	390.00	420.00		1.00	30.00			0.60	0.60	10.80	
	420.00	452.70		1.00	32.70			0.60	0.60	11.77	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	60.00		1.00	30.00			0.60	0.55	9.90	
	60.00	90.00		1.00	30.00			0.60	0.55	9.90	
	90.00	100.60		1.00	10.60			0.60	0.55	3.50	
	1st Cross Raod Block B Appartment										
	0.00	19.30		1.00	19.30			0.60	0.55	6.37	

365.51

TEJAS CONSULTANTS Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive E...
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pali...
Bangalore - 560 092

31

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Sri Sai Sannidi Appartment Road Amruthnagar									365.51	
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	42.00		1.00	12.00			0.60	0.55	3.96	
	Road B/W 2nd Cross & 3rd Cross rd										
	0.00	31.00		1.00	31.00			0.60	0.55	10.23	
	Road B/W 3rd Cross & 4th Cross rd										
	0.00	30.80		1.00	30.80			0.60	0.55	10.16	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	27.00			0.60	0.55	8.91	
	2nd Cross Road										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	38.50		1.00	8.50			0.60	0.55	2.81	
	38.50	68.50		1.00	30.00			0.60	0.55	9.90	
	68.50	98.50		1.00	30.00			0.60	0.55	9.90	
	98.50	128.50		1.00	30.00			0.60	0.55	9.90	
	128.50	157.60		1.00	29.10			0.60	0.55	9.60	
	3rd Cross Road										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	60.00		1.00	30.00			0.60	0.55	9.90	
	60.00	90.00		1.00	30.00			0.60	0.55	9.90	
	90.00	114.60		1.00	24.60			0.60	0.55	8.12	
	4th Cross Road										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	60.00		1.00	30.00			0.60	0.55	9.90	
	60.00	90.00		1.00	30.00			0.60	0.55	9.90	
	90.00	120.00		1.00	30.00			0.60	0.55	9.90	
	120.00	150.00		1.00	30.00			0.60	0.55	9.90	
	150.00	173.30		1.00	23.30			0.60	0.55	7.69	
	5th Cross Road										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	60.00		1.00	30.00			0.60	0.55	9.90	
	60.00	90.00		1.00	30.00			0.60	0.55	9.90	
	90.00	120.00		1.00	30.00			0.60	0.55	9.90	
	120.00	130.00		1.00	10.00			0.60	0.55	3.30	
	2nd B Cross Road										
	LHS										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	60.00		1.00	30.00			0.60	0.55	9.90	
	60.00	87.60		1.00	27.60			0.60	0.55	9.11	
	RHS										
	0.00	30.00		1.00	30.00			0.60	0.55	9.90	
	30.00	60.00		1.00	30.00			0.60	0.55	9.90	
	60.00	87.60		1.00	27.60			0.60	0.55	9.11	
	1st Main Road Beside BBMP Park										
	LHS										

656.41

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engr
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

32

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	90.00		1.00	30.00			0.60	0.60	10.80	
	RHS										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	90.00		1.00	30.00			0.60	0.60	10.80	
	2nd Main Road										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	90.00		1.00	30.00			0.60	0.60	10.80	
	8th Cross Road										
	LHS										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	86.00		1.00	26.00			0.60	0.60	9.36	
	RHS										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	60.00		1.00	30.00			0.60	0.60	10.80	
	60.00	86.00		1.00	26.00			0.60	0.60	9.36	
	8th A Cross Road										
	LHS										
	0.00	30.00		1.00	30.00			0.60	0.60	10.80	
	30.00	38.20		1.00	8.20			0.60	0.60	2.95	
	New Drain										
	Appartment Beside Road (RHS)										
	0.00	30.00		1.00	30.00			0.70	0.15	3.15	
	30.00	60.00		1.00	30.00			0.70	0.15	3.15	
	60.00	85.00		1.00	25.00			0.70	0.15	2.63	
	Appartment Beside Road (LHS)										
	RHS										
	0.00	34.70	R/S	1.00	34.70			0.75	0.60	15.62	
	36.20	65.30	R/S	1.00	29.10			0.75	0.60	13.10	
	72.80	83.00	R/S	1.00	10.20			0.75	0.60	4.59	
	83.00	95.40	R/S	1.00	12.40			0.70	0.15	1.30	
	104.60	134.60	R/S	1.00	30.00			0.75	0.60	13.50	
	134.60	169.30	R/S	1.00	34.70			0.75	0.60	15.62	
	169.30	199.50	R/S	1.00	30.20			0.75	0.60	13.59	
	204.40	225.70	R/S	1.00	21.30			0.75	0.60	9.58	
	LHS										
	104.60	134.60	L/S	1.00	30.00			0.75	0.60	13.50	
	134.60	169.30	L/S	1.00	34.70			0.75	0.60	15.62	
	174.90	199.50	L/S	1.00	24.60			0.75	0.60	11.07	
	204.40	219.70	L/S	1.00	15.30			0.75	0.60	6.88	
	Maruthi Farm 5th cross Rd									972.16	

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

33

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.75	0.60	13.50	
	30.00	50.60	R/S	1.00	20.60			0.75	0.60	9.27	
	LHS										
	0.00	30.00	L/S	1.00	30.00			0.70	0.60	12.60	
	30.00	60.00	L/S	1.00	30.00			0.70	0.60	12.60	
	60.00	87.10	L/S	1.00	27.10			0.70	0.60	11.38	
	2nd cross Rd										
	RHS										
	0.00	30.00	R/S	1.00	30.00			0.75	0.60	13.50	
	30.00	42.00	R/S	1.00	12.00			0.75	0.60	5.40	
	Culverts										
	Appartment Beside Road (LHS)										
	199.50	204.40	R/S	1.00	4.90			2.00	0.45	4.41	
	169.30	174.90	L/S	1.00	5.60			2.00	0.69	7.73	
	219.70	225.70	L/S	1.00	6.00			2.00	0.45	5.40	
	Across the Road										
	225.70	227.50		1.00	6.60			2.00	0.69	9.11	
								Total		**1077.06**	**Cum**

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

34

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
6	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	30.00			1.80		54.00	
	60.00	90.00		1.00	28.00			1.80		50.40	
	90.00	120.00		1.00	27.00			1.80		48.60	
	120.00	150.00		1.00	28.00			1.80		50.40	
	150.00	180.00		1.00	30.00			1.80		54.00	
	180.00	210.00		1.00	28.00			1.80		50.40	
	210.00	240.00		1.00	30.00			1.80		54.00	
	240.00	270.00		1.00	28.00			1.80		50.40	
	270.00	300.00		1.00	30.00			1.80		54.00	
	300.00	330.00		1.00	28.00			1.80		50.40	
	330.00	360.00		1.00	29.00			1.80		52.20	
	360.00	390.00		1.00	27.00			1.80		48.60	
	390.00	420.00		1.00	30.00			1.80		54.00	
	420.00	452.70		1.00	32.70			1.80		58.86	
	RHS										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	60.00		1.00	30.00			1.80		54.00	
	60.00	90.00		1.00	27.00			1.80		48.60	
	90.00	120.00		1.00	28.00			1.80		50.40	
	120.00	150.00		1.00	28.00			1.80		50.40	
	150.00	180.00		1.00	28.00			1.80		50.40	
	180.00	210.00		1.00	30.00			1.80		54.00	
	210.00	240.00		1.00	29.00			1.80		52.20	
	240.00	270.00		1.00	30.00			1.80		54.00	
	270.00	300.00		1.00	28.00			1.80		50.40	
	300.00	330.00		1.00	27.00			1.80		48.60	
	330.00	360.00		1.00	30.00			1.80		54.00	
	360.00	390.00		1.00	30.00			1.80		54.00	
	390.00	420.00		1.00	28.00			1.80		50.40	
	420.00	452.70		1.00	29.70			1.80		53.46	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	27.00			1.80		48.60	
	30.00	60.00		1.00	28.00			1.80		50.40	
	60.00	90.00		1.00	28.00			1.80		50.40	
	90.00	100.60		1.00	8.60			1.80		15.48	
	1st Cross Raod Block B										
	0.00	19.30		1.00	19.30			1.80		34.74	
	Sri Sai Sannidi Appartment Road Amruthnagar										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	42.00		1.00	10.00			1.80		18.00	

1827.54

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pal
Bangalore - 560 092

35

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byatarayanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Road B/W 2nd Cross & 3rd Cross										
	0.00	31.00		1.00	28.00			1.80		50.40	
	Road B/W 3rd Cross & 4th Cross										
	0.00	30.80		1.00	28.80			1.80		51.84	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	25.00			1.80		45.00	
	2nd Cross Road										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	38.50		1.00	5.50			1.80		9.90	
	38.50	68.50		1.00	28.00			1.80		50.40	
	68.50	98.50		1.00	30.00			1.80		54.00	
	98.50	128.50		1.00	30.00			1.80		54.00	
	128.50	157.60		1.00	26.10			1.80		46.98	
	3rd Cross Road										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	27.00			1.80		48.60	
	60.00	90.00		1.00	28.00			1.80		50.40	
	90.00	114.60		1.00	22.60			1.80		40.68	
	4th Cross Road										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	27.00			1.80		48.60	
	60.00	90.00		1.00	30.00			1.80		54.00	
	90.00	120.00		1.00	29.00			1.80		52.20	
	120.00	150.00		1.00	27.00			1.80		48.60	
	150.00	173.30		1.00	21.30			1.80		38.34	
	5th Cross Road										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	60.00		1.00	28.00			1.80		50.40	
	60.00	90.00		1.00	27.00			1.80		48.60	
	90.00	120.00		1.00	27.00			1.80		48.60	
	120.00	130.00		1.00	8.00			1.80		14.40	
	2nd B Cross Road										
	LHS										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	29.00			1.80		52.20	
	60.00	87.60		1.00	25.60			1.80		46.08	
	RHS										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	28.00			1.80		50.40	
	60.00	87.60		1.00	25.60			1.80		46.08	
	1st Main Road Beside BBMP Park										
	LHS										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	27.00			1.80		48.60	
	60.00	90.00		1.00	28.00			1.80		50.40	
	RHS										
	0.00	30.00		1.00	26.00			1.80		46.80	
	30.00	60.00		1.00	30.00			1.80		54.00	
	60.00	90.00		1.00	27.00			1.80		48.60	

1827.54

3536.64

PEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE
Benaka

Assistant Engineer
AE(W)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

36

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	2nd Main Road										
	0.00	30.00		1.00	28.00			1.80		50.40	
	30.00	60.00		1.00	27.00			1.80		48.60	
	60.00	90.00		1.00	30.00			1.80		54.00	
	8th Cross Road										
	LHS										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	60.00		1.00	28.00			1.80		50.40	
	60.00	86.00		1.00	23.00			1.80		41.40	
	RHS										
	0.00	30.00		1.00	27.00			1.80		48.60	
	30.00	60.00		1.00	28.00			1.80		50.40	
	60.00	86.00		1.00	26.00			1.80		46.80	
	8th A Cross Road										
	LHS										
	0.00	30.00		1.00	27.00			1.80		48.60	
	30.00	38.20		1.00	5.20			1.80		9.36	
									Total	**1211.76**	**cum**

4039.20

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
7	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)										
	New Drain										
	Appartment Beside Road (RHS)										
	0.00	30.00		1.00	30.00			1.20		36.00	
	30.00	60.00		1.00	30.00			1.20		36.00	
	60.00	85.00		1.00	25.00			1.20		30.00	
	Appartment Beside Road (LHS)										
	RHS										
	0.00	34.70		1.00	34.70			1.80		62.46	
	36.20	65.30		1.00	29.10			1.80		52.38	
	72.80	83.00		1.00	10.20			1.80		18.36	
	83.00	95.40		1.00	12.40			1.20		14.88	
	104.60	134.60		1.00	30.00			1.80		54.00	
	134.60	169.30		1.00	34.70			1.80		62.46	
	169.30	199.50		1.00	30.20			1.80		54.36	
	204.40	225.70		1.00	21.30			1.80		38.34	
	LHS										
	104.60	134.60		1.00	30.00			1.80		54.00	
	134.60	169.30		1.00	34.70			1.80		62.46	
	174.90	199.50		1.00	24.60			1.80		44.28	
	204.40	219.70		1.00	15.30			1.80		27.54	
	Maruthi Farm 5th cross Rd										
	RHS										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	50.60		1.00	20.60			1.80		37.08	
	LHS										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	60.00		1.00	30.00			1.80		54.00	
	60.00	87.10		1.00	27.10			1.80		48.78	
	2nd cross Rd										
	RHS										
	0.00	30.00		1.00	30.00			1.80		54.00	
	30.00	42.00		1.00	12.00			1.80		21.60	
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	0.00			1.80		0.00	
	60.00	90.00		1.00	2.00			1.80		3.60	
	90.00	120.00		1.00	3.00			1.80		5.40	
	120.00	150.00		1.00	2.00			1.80		3.60	
	150.00	180.00		1.00	0.00			1.80		0.00	
	180.00	210.00		1.00	2.00			1.80		3.60	
	210.00	240.00		1.00	0.00			1.80		0.00	
	240.00	270.00		1.00	2.00			1.80		3.60	
	270.00	300.00		1.00	0.00			1.80		0.00	

994.38

TEJUS CONSULTANTS Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

AE(W)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	300.00	330.00		1.00	2.00			1.80		3.60	
	330.00	360.00		1.00	1.00			1.80		1.80	
	360.00	390.00		1.00	3.00			1.80		5.40	
	390.00	420.00		1.00	0.00			1.80		0.00	
	420.00	452.70		1.00	0.00			1.80		0.00	
	RHS										
	0.00	30.00		1.00	0.00			1.80		0.00	
	30.00	60.00		1.00	0.00			1.80		0.00	
	60.00	90.00		1.00	3.00			1.80		5.40	
	90.00	120.00		1.00	2.00			1.80		3.60	
	120.00	150.00		1.00	2.00			1.80		3.60	
	150.00	180.00		1.00	2.00			1.80		3.60	
	180.00	210.00		1.00	0.00			1.80		0.00	
	210.00	240.00		1.00	1.00			1.80		1.80	
	240.00	270.00		1.00	0.00			1.80		0.00	
	270.00	300.00		1.00	2.00			1.80		3.60	
	300.00	330.00		1.00	3.00			1.80		5.40	
	330.00	360.00		1.00	0.00			1.80		0.00	
	360.00	390.00		1.00	0.00			1.80		0.00	
	390.00	420.00		1.00	2.00			1.80		3.60	
	420.00	452.70		1.00	3.00			1.80		5.40	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	3.00			1.80		5.40	
	30.00	60.00		1.00	2.00			1.80		3.60	
	60.00	90.00		1.00	2.00			1.80		3.60	
	90.00	100.60		1.00	2.00			1.80		3.60	
	1st Cross Raod Block B										
	0.00	19.30		1.00	0.00			1.80		0.00	
	Sri Sai Sannidi Appartment Road										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	42.00		1.00	2.00			1.80		3.60	
	Road B/W 2nd Cross & 3rd Cross										
	0.00	31.00		1.00	3.00			1.80		5.40	
	Road B/W 3rd Cross & 4th Cross										
	0.00	30.80		1.00	2.00			1.80		3.60	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	2.00			1.80		3.60	
	2nd Cross Road										
	0.00	30.00		1.00	0.00			1.80		0.00	
	30.00	38.50		1.00	3.00			1.80		5.40	
	38.50	68.50		1.00	2.00			1.80		3.60	
	68.50	98.50		1.00	0.00			1.80		0.00	
	98.50	128.50		1.00	0.00			1.80		0.00	
	128.50	157.60		1.00	3.00			1.80		5.40	
	3rd Cross Road										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	3.00			1.80		5.40	
	60.00	90.00		1.00	2.00			1.80		3.60	

1104.18

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	90.00	114.60		1.00	2.00			1.80		3.60	
	4th Cross Road										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	3.00			1.80		5.40	
	60.00	90.00		1.00	0.00			1.80		0.00	
	90.00	120.00		1.00	1.00			1.80		1.80	
	120.00	150.00		1.00	3.00			1.80		5.40	
	150.00	173.30		1.00	2.00			1.80		3.60	
	5th Cross Road										
	0.00	30.00		1.00	0.00			1.80		0.00	
	30.00	60.00		1.00	2.00			1.80		3.60	
	60.00	90.00		1.00	3.00			1.80		5.40	
	90.00	120.00		1.00	3.00			1.80		5.40	
	120.00	130.00		1.00	2.00			1.80		3.60	
	2nd B Cross Road										
	LHS										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	1.00			1.80		1.80	
	60.00	87.60		1.00	2.00			1.80		3.60	
	RHS										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	2.00			1.80		3.60	
	60.00	87.60		1.00	2.00			1.80		3.60	
	1st Main Road Beside BBMP Park										
	LHS										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	3.00			1.80		5.40	
	60.00	90.00		1.00	2.00			1.80		3.60	
	RHS										
	0.00	30.00		1.00	4.00			1.80		7.20	
	30.00	60.00		1.00	0.00			1.80		0.00	
	60.00	90.00		1.00	3.00			1.80		5.40	
	2nd Main Road										
	0.00	30.00		1.00	2.00			1.80		3.60	
	30.00	60.00		1.00	3.00			1.80		5.40	
	60.00	90.00		1.00	0.00			1.80		0.00	
	8th Cross Road										
	LHS										
	0.00	30.00		1.00	0.00			1.80		0.00	
	30.00	60.00		1.00	2.00			1.80		3.60	
	60.00	86.00		1.00	3.00			1.80		5.40	
	RHS										
	0.00	30.00		1.00	3.00			1.80		5.40	
	30.00	60.00		1.00	2.00			1.80		3.60	
	60.00	86.00		1.00	0.00			1.80		0.00	
	8th A Cross Road										
	LHS										
	0.00	30.00		1.00	3.00			1.80		5.40	
	30.00	38.20		1.00	3.00			1.80		5.40	

1104.18

1228.38

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE
Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

40

Bruhat Bengaluru Mahanagara Palike											
Bytarayanapura Division											
Job Code :-											
Name of Agency :- Benaka Developers & Project Pvt.Ltd.											
Bill No :-2nd & Part Bill											
Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura											
BOQ Item No	Description	Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
								Total		1228.38	Sqm

NDD
AE(LP)
10/5

Consultant

Assistant Engineer
AE(LP)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

41

Bruhat Bengaluru Mahanagara Palike										
Bytarayanapura Division										
Job Code :-										
Name of Agency :- Benaka Developers & Project Pvt.Ltd.										
Bill No :-2nd & Part Bill										
Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura										
BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
10	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)										
	Culverts										
	Appartment Beside Road (LHS)										
	199.50	204.40		1.00	4.90			2.00	0.15	1.47	
	169.30	174.90		1.00	5.60			2.00	0.15	1.68	
	219.70	225.70		1.00	6.00			2.00	0.15	1.80	
	Across the Road										
	225.70	227.50		1.00	6.60			2.00	0.15	1.98	
								Total		6.93	cum

CE/SE Rec 10/5

AEE DE(LM) 10/5

TEJUS CONSULTANTS

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

AE(LM)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

4.2

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
16	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)										
	Culverts										
	Appartment Beside Road										
	199.50	204.40		2.00	4.90			0.45	0.45	1.98	
	169.30	174.90		2.00	5.60			0.45	0.69	3.48	
	219.70	225.70		2.00	6.00			0.45	0.45	2.43	
	Across the Road										
	225.70	227.50		2.00	6.60			0.45	0.69	4.10	
								Total		**11.99**	**cum**

NDD
DE(W)
14/6

14/6

Consultant

Assistant Engineer
DE(W)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

43

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
17	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)										
	Culverts										
	Appartment Beside Road (LHS)										
	199.50	204.40		2.00	4.90				0.45	4.41	
	169.30	174.90		2.00	5.60				0.69	7.73	
	219.70	225.70		2.00	6.00				0.45	5.40	
	Across the Road										
	225.70	227.50		2.00	6.60				0.69	9.11	
								Total		**26.65**	**Sqm**

NDR
DE(NP)
14/6

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer
AE(NP)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

44

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
18	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)										
	Culverts										
	Appartment Beside Road										
	199.50	204.40		2.00	4.90			0.45	0.10	0.44	
	169.30	174.90		2.00	5.60			0.45	0.10	0.50	
	219.70	225.70		2.00	6.00			0.45	0.10	0.54	
	Across the Road										
	225.70	227.50		2.00	6.60			0.45	0.10	0.59	
								Total		**2.08**	**Cum**

N.D
AE(W)
15/16

Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

4.5

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
21	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)										
	Culverts										
	Appartment Beside Road (LHS)										
	199.50	204.40		1.00	4.90			1.50		7.35	
	169.30	174.90		1.00	5.60			1.50		8.40	
	219.70	225.70		1.00	6.00			1.50		9.00	
	Across the Road										
	225.70	227.50		1.00	6.60			1.50		9.90	
								Total		**34.65**	**Sqm**

NDD 21/8

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

46

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
22	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)										
	Road Portion										
	Bad Reaches										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	1.10			1.10	0.23	0.28	
	30.00	60.00		1.00	1.20			1.00	0.23	0.28	
	60.00	90.00		1.00	1.20			1.30	0.23	0.36	
	90.00	120.00		1.00	1.50			0.90	0.23	0.31	
	120.00	150.00		1.00	1.20			1.20	0.23	0.33	
	150.00	180.00		1.00	1.00			1.00	0.23	0.23	
	180.00	210.00		1.00	1.30			1.20	0.23	0.36	
	210.00	240.00		1.00	1.20			1.30	0.23	0.36	
	240.00	270.00		1.00	1.20			1.00	0.23	0.28	
	270.00	300.00		1.00	1.50			1.30	0.23	0.45	
	300.00	330.00		1.00	1.20			1.30	0.23	0.36	
	330.00	360.00		1.00	1.00			1.20	0.23	0.28	
	360.00	390.00		1.00	1.20			1.10	0.23	0.30	
	390.00	420.00		1.00	1.00			1.00	0.23	0.23	
	420.00	452.70		1.00	1.20			1.30	0.23	0.36	
	RHS										
	0.00	30.00		1.00	1.00			1.30	0.23	0.30	
	30.00	60.00		1.00	0.80			1.30	0.23	0.24	
	60.00	90.00		1.00	0.90			1.20	0.23	0.25	
	90.00	120.00		1.00	0.60			1.30	0.23	0.18	
	120.00	150.00		1.00	0.90			1.00	0.23	0.21	
	150.00	180.00		1.00	1.20			1.30	0.23	0.36	
	180.00	210.00		1.00	1.00			1.50	0.23	0.35	
	210.00	240.00		1.00	1.20			1.20	0.23	0.33	
	240.00	270.00		1.00	1.30			1.20	0.23	0.36	
	270.00	300.00		1.00	1.00			1.10	0.23	0.25	
	300.00	330.00		1.00	1.30			1.20	0.23	0.36	
	330.00	360.00		1.00	0.80			1.00	0.23	0.18	
	360.00	390.00		1.00	1.20			1.10	0.23	0.30	
	390.00	420.00		1.00	0.90			1.20	0.23	0.25	
	420.00	452.70		1.00	1.00			1.20	0.23	0.28	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	1.50			1.30	0.23	0.45	
	30.00	60.00		1.00	1.20			1.20	0.23	0.33	
	60.00	90.00		1.00	1.00			1.00	0.23	0.23	
	90.00	100.60		1.00	0.80			1.20	0.23	0.22	
	1st Cross Raod Block B Appartment										
	0.00	19.30		1.00	1.00			1.50	0.23	0.35	

10.52

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer
AE(WO)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

47

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Sri Sai Sannidi Appartment Road Amruthnagar										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	0.80			1.00	0.23	0.18	
	30.00	42.00		1.00	0.90			1.20	0.23	0.25	
	Road B/W 2nd Cross & 3rd Cross rd										
	0.00	31.00		1.00	1.20			1.10	0.23	0.30	
	Road B/W 3rd Cross & 4th Cross rd										
	0.00	30.80		1.00	1.10			1.30	0.23	0.33	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	1.20			1.10	0.23	0.30	
	2nd Cross Road										
	0.00	30.00		1.00	1.00			1.20	0.23	0.28	
	30.00	38.50		1.00	1.20			1.20	0.23	0.33	
	38.50	68.50		1.00	1.30			1.20	0.23	0.36	
	68.50	98.50		1.00	1.00			0.90	0.23	0.21	
	98.50	128.50		1.00	1.30			1.20	0.23	0.36	
	128.50	157.60		1.00	1.50			0.90	0.23	0.31	
	3rd Cross Road										
	0.00	30.00		1.00	1.20			1.20	0.23	0.33	
	30.00	60.00		1.00	1.00			1.00	0.23	0.23	
	60.00	90.00		1.00	0.80			1.20	0.23	0.22	
	90.00	114.60		1.00	1.30			1.00	0.23	0.30	
	4th Cross Road										
	0.00	30.00		1.00	1.30			1.20	0.23	0.36	
	30.00	60.00		1.00	1.00			1.50	0.23	0.35	
	60.00	90.00		1.00	1.30			1.20	0.23	0.36	
	90.00	120.00		1.00	1.10			0.90	0.23	0.23	
	120.00	150.00		1.00	1.20			0.80	0.23	0.22	
	150.00	173.30		1.00	1.00			1.30	0.23	0.30	
	5th Cross Road										
	0.00	30.00		1.00	1.50			2.00	0.23	0.69	
	30.00	60.00		1.00	1.20			1.50	0.23	0.41	
	60.00	90.00		1.00	1.20			1.80	0.23	0.50	
	90.00	120.00		1.00	1.00			1.20	0.23	0.28	
	120.00	130.00		1.00	1.00			0.60	0.23	0.14	
	2nd B Cross Road										
	LHS										
	0.00	30.00		1.00	1.20			1.80	0.23	0.50	
	30.00	60.00		1.00	1.00			1.60	0.23	0.37	
	60.00	87.60		1.00	1.70			1.50	0.23	0.59	
	RHS										
	0.00	30.00		1.00	1.00			1.50	0.23	0.35	
	30.00	60.00		1.00	1.60			1.70	0.23	0.63	
	60.00	87.60		1.00	1.25			1.20	0.23	0.35	
	1st Main Road Beside BBMP Park										
	LHS										

91.40

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD. BANGALORE

Assistant Engineer
AE(W)

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	30.00		1.00	1.20			1.80	0.23	0.50	
	30.00	60.00		1.00	1.00			1.60	0.23	0.37	
	60.00	90.00		1.00	1.80			1.50	0.23	0.62	
	RHS										
	0.00	30.00		1.00	1.00			1.50	0.23	0.35	
	30.00	60.00		1.00	1.60			1.70	0.23	0.63	
	60.00	90.00		1.00	1.25			1.20	0.23	0.35	
	2nd Main Road										
	0.00	30.00		1.00	1.00			1.30	0.23	0.30	
	30.00	60.00		1.00	1.70			1.00	0.23	0.39	
	60.00	90.00		1.00	1.50			1.20	0.23	0.41	
	8th Cross Road										
	LHS										
	0.00	30.00		1.00	1.00			1.50	0.23	0.35	
	30.00	60.00		1.00	1.80			1.00	0.23	0.41	
	60.00	86.00		1.00	1.20			1.80	0.23	0.50	
	RHS										
	0.00	30.00		1.00	1.50			1.00	0.23	0.35	
	30.00	60.00		1.00	1.20			1.50	0.23	0.41	
	60.00	86.00		1.00	1.00			1.20	0.23	0.28	
	8th A Cross Road										
	LHS										
	0.00	30.00		1.00	1.00			1.20	0.23	0.28	
	30.00	38.20		1.00	0.80			1.00	0.23	0.18	
	Amruthanagara A sector										
	Maruthi Farm 5th cross Rd										
	0.00	30.00		1.00	30.00	4.80	4.40	4.60	0.23	31.74	
	30.00	60.00		1.00	30.00	4.40	4.30	4.35	0.23	30.02	
	60.00	75.00		1.00	15.00	4.30	6.30	5.30	0.23	18.29	
	75.00	87.10		1.00	12.10	6.30	5.00	5.65	0.23	15.72	
	Appartment Beside Road (RHS)										
	0.00	30.00		1.00	30.00	4.10	3.70	3.90	0.23	26.91	
	30.00	60.00		1.00	30.00	3.70	3.40	3.55	0.23	24.50	
	60.00	90.00		1.00	30.00	3.40	3.70	3.55	0.23	24.50	
	90.00	121.00		1.00	31.00	3.70	3.60	3.65	0.23	26.02	
	Appartment Beside Road (LHS)										
	0.00	34.70		1.00	34.70	5.50	4.30	4.90	0.23	39.11	
	36.20	65.30		1.00	29.10	4.30	4.60	4.45	0.23	29.78	
	104.60	134.60		1.00	30.00	6.20	7.20	6.70	0.23	46.23	
	134.60	169.30		1.00	34.70	7.20	6.50	6.85	0.23	54.67	
	169.30	199.50		1.00	30.20	6.50	6.40	6.45	0.23	44.80	
	204.40	225.70		1.00	21.30	6.40	4.10	5.25	0.23	25.72	
	UGD Cut Portion										

91.40

466.06

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

49

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Maruthi Farm 8th Cross Road										
	0.00	30.00		1.00	30.00	1.50	1.50	1.50	0.23	10.35	
	30.00	60.00		1.00	30.00	1.50	1.50	1.50	0.23	10.35	
	60.00	90.00		1.00	30.00	1.50	1.50	1.50	0.23	10.35	
	90.00	120.00		1.00	30.00	1.50	1.50	1.50	0.23	10.35	
	120.00	138.00		1.00	18.00	1.50	1.50	1.50	0.23	6.21	
								Total		513.67	Cum

466.06

NDD
AE(NSK)
08/5

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer
AE(NSK)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

50

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
25	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)										
	Road Portion										
	Bad Reaches										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	1.10			1.10	0.23	0.28	
	30.00	60.00		1.00	1.20			1.00	0.23	0.28	
	60.00	90.00		1.00	1.20			1.30	0.23	0.36	
	90.00	120.00		1.00	1.50			0.90	0.23	0.31	
	120.00	150.00		1.00	1.20			1.20	0.23	0.33	
	150.00	180.00		1.00	1.00			1.00	0.23	0.23	
	180.00	210.00		1.00	1.30			1.20	0.23	0.36	
	210.00	240.00		1.00	1.20			1.30	0.23	0.36	
	240.00	270.00		1.00	1.20			1.00	0.23	0.28	
	270.00	300.00		1.00	1.50			1.30	0.23	0.45	
	300.00	330.00		1.00	1.20			1.30	0.23	0.36	
	330.00	360.00		1.00	1.00			1.20	0.23	0.28	
	360.00	390.00		1.00	1.20			1.10	0.23	0.30	
	390.00	420.00		1.00	1.00			1.00	0.23	0.23	
	420.00	452.70		1.00	1.20			1.30	0.23	0.36	
	RHS										
	0.00	30.00		1.00	1.00			1.30	0.23	0.30	
	30.00	60.00		1.00	0.80			1.30	0.23	0.24	
	60.00	90.00		1.00	0.90			1.20	0.23	0.25	
	90.00	120.00		1.00	0.60			1.30	0.23	0.18	
	120.00	150.00		1.00	0.90			1.00	0.23	0.21	
	150.00	180.00		1.00	1.20			1.30	0.23	0.36	
	180.00	210.00		1.00	1.00			1.50	0.23	0.35	
	210.00	240.00		1.00	1.20			1.20	0.23	0.33	
	240.00	270.00		1.00	1.30			1.20	0.23	0.36	
	270.00	300.00		1.00	1.00			1.10	0.23	0.25	
	300.00	330.00		1.00	1.30			1.20	0.23	0.36	
	330.00	360.00		1.00	0.80			1.00	0.23	0.18	
	360.00	390.00		1.00	1.20			1.10	0.23	0.30	
	390.00	420.00		1.00	0.90			1.20	0.23	0.25	
	420.00	452.70		1.00	1.00			1.20	0.23	0.28	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	1.50			1.30	0.23	0.45	
	30.00	60.00		1.00	1.20			1.20	0.23	0.33	
	60.00	90.00		1.00	1.00			1.00	0.23	0.23	
	90.00	100.60		1.00	0.80			1.20	0.23	0.22	
	1st Cross Raod Block B										

10.18

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

51

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	19.30		1.00	1.00			1.50	0.23	0.35	
	Sri Sai Sannidi Appartment Road										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	0.80			1.00	0.23	0.18	
	30.00	42.00		1.00	0.90			1.20	0.23	0.25	
	Road B/W 2nd Cross & 3rd Cross										
	0.00	31.00		1.00	1.20			1.10	0.23	0.30	
	Road B/W 3rd Cross & 4th Cross										
	0.00	30.80		1.00	1.10			1.30	0.23	0.33	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	1.20			1.10	0.23	0.30	
	2nd Cross Road										
	0.00	30.00		1.00	1.00			1.20	0.23	0.28	
	30.00	38.50		1.00	1.20			1.20	0.23	0.33	
	38.50	68.50		1.00	1.30			1.20	0.23	0.36	
	68.50	98.50		1.00	1.00			0.90	0.23	0.21	
	98.50	128.50		1.00	1.30			1.20	0.23	0.36	
	128.50	157.60		1.00	1.50			0.90	0.23	0.31	
	3rd Cross Road										
	0.00	30.00		1.00	1.20			1.20	0.23	0.33	
	30.00	60.00		1.00	1.00			1.00	0.23	0.23	
	60.00	90.00		1.00	0.80			1.20	0.23	0.22	
	90.00	114.60		1.00	1.30			1.00	0.23	0.30	
	4th Cross Road										
	0.00	30.00		1.00	1.30			1.20	0.23	0.36	
	30.00	60.00		1.00	1.00			1.50	0.23	0.35	
	60.00	90.00		1.00	1.30			1.20	0.23	0.36	
	90.00	120.00		1.00	1.10			0.90	0.23	0.23	
	120.00	150.00		1.00	1.20			0.80	0.23	0.22	
	150.00	173.30		1.00	1.00			1.30	0.23	0.30	
	5th Cross Road										
	0.00	30.00		1.00	1.50			2.00	0.23	0.69	
	30.00	60.00		1.00	1.20			1.50	0.23	0.41	
	60.00	90.00		1.00	1.20			1.80	0.23	0.50	
	90.00	120.00		1.00	1.00			1.20	0.23	0.28	
	120.00	130.00		1.00	1.00			0.60	0.23	0.14	
	2nd B Cross Road										
	LHS										
	0.00	30.00		1.00	1.20			1.80	0.23	0.50	
	30.00	60.00		1.00	1.00			1.60	0.23	0.37	
	60.00	87.60		1.00	1.70			1.50	0.23	0.59	
	RHS										
	0.00	30.00		1.00	1.00			1.50	0.23	0.35	
	30.00	60.00		1.00	1.60			1.70	0.23	0.63	
	60.00	87.60		1.00	1.25			1.20	0.23	0.35	
	1st Main Road Beside BBMP Park										
	LHS										
	0.00	30.00		1.00	1.20			1.80	0.23	0.50	
	30.00	60.00		1.00	1.00			1.60	0.23	0.37	

10.18

22.27

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

AE(1ST)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

52

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07,Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	22.27 Quantity	Remarks
	60.00	90.00		1.00	1.80			1.50	0.23	0.62	
	RHS										
	0.00	30.00		1.00	1.00			1.50	0.23	0.35	
	30.00	60.00		1.00	1.60			1.70	0.23	0.63	
	60.00	90.00		1.00	1.25			1.20	0.23	0.35	
	2nd Main Road										
	0.00	30.00		1.00	1.00			1.30	0.23	0.30	
	30.00	60.00		1.00	1.70			1.00	0.23	0.39	
	60.00	90.00		1.00	1.50			1.20	0.23	0.41	
	8th Cross Road										
	LHS										
	0.00	30.00		1.00	1.00			1.50	0.23	0.35	
	30.00	60.00		1.00	1.80			1.00	0.23	0.41	
	60.00	86.00		1.00	1.20			1.80	0.23	0.50	
	RHS										
	0.00	30.00		1.00	1.50			1.00	0.23	0.35	
	30.00	60.00		1.00	1.20			1.50	0.23	0.41	
	60.00	86.00		1.00	1.00			1.20	0.23	0.28	
	8th A Cross Road										
	LHS										
	0.00	30.00		1.00	1.00			1.20	0.23	0.28	
	30.00	38.20		1.00	0.80			1.00	0.23	0.18	
	Amruthanagara A sector										
	Maruthi Farm 5th cross Rd										
	0.00	30.00		1.00	30.00			4.60	0.23	31.74	
	30.00	60.00		1.00	30.00			4.35	0.23	30.02	
	60.00	75.00		1.00	15.00			5.30	0.23	18.29	
	75.00	87.10		1.00	12.10			5.65	0.23	15.72	
	Appartment Beside Road (RHS)										
	0.00	30.00		1.00	30.00			3.90	0.23	26.91	
	30.00	60.00		1.00	30.00			3.55	0.23	24.50	
	60.00	90.00		1.00	30.00			3.55	0.23	24.50	
	90.00	121.00		1.00	31.00			3.65	0.23	26.02	
	Appartment Beside Road (LHS)										
	0.00	34.70		1.00	34.70			4.90	0.23	39.11	
	36.20	65.30		1.00	29.10			4.45	0.23	29.78	
	104.60	134.60		1.00	30.00			6.70	0.23	46.23	
	134.60	169.30		1.00	34.70			6.85	0.23	54.67	
	169.30	199.50		1.00	30.20			6.45	0.23	44.80	
	204.40	225.70		1.00	21.30			5.25	0.23	25.72	
	UGD Cut Portion										
	Maruthi Farm 8th Cross Road										
	0.00	30.00		1.00	30.00			1.50	0.23	10.35	
	30.00	60.00		1.00	30.00			1.50	0.23	10.35	
	60.00	90.00		1.00	30.00			1.50	0.23	10.35	
	90.00	120.00		1.00	30.00			1.50	0.23	10.35	
	120.00	138.00		1.00	18.00			1.50	0.23	6.21	
								Total		513.67	**Cum**

TEJUS CONSULTANTS Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer

NDP AE(W7) 29/5

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

53

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
26	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)										
	Road Portion										
	Bad Reaches										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	1.10			1.10		1.21	
	30.00	60.00		1.00	1.20			1.00		1.20	
	60.00	90.00		1.00	1.20			1.30		1.56	
	90.00	120.00		1.00	1.50			0.90		1.35	
	120.00	150.00		1.00	1.20			1.20		1.44	
	150.00	180.00		1.00	1.00			1.00		1.00	
	180.00	210.00		1.00	1.30			1.20		1.56	
	210.00	240.00		1.00	1.20			1.30		1.56	
	240.00	270.00		1.00	1.20			1.00		1.20	
	270.00	300.00		1.00	1.50			1.30		1.95	
	300.00	330.00		1.00	1.20			1.30		1.56	
	330.00	360.00		1.00	1.00			1.20		1.20	
	360.00	390.00		1.00	1.20			1.10		1.32	
	390.00	420.00		1.00	1.00			1.00		1.00	
	420.00	452.70		1.00	1.20			1.30		1.56	
	RHS										
	0.00	30.00		1.00	1.00			1.30		1.30	
	30.00	60.00		1.00	0.80			1.30		1.04	
	60.00	90.00		1.00	0.90			1.20		1.08	
	90.00	120.00		1.00	0.60			1.30		0.78	
	120.00	150.00		1.00	0.90			1.00		0.90	
	150.00	180.00		1.00	1.20			1.30		1.56	
	180.00	210.00		1.00	1.00			1.50		1.50	
	210.00	240.00		1.00	1.20			1.20		1.44	
	240.00	270.00		1.00	1.30			1.20		1.56	
	270.00	300.00		1.00	1.00			1.10		1.10	
	300.00	330.00		1.00	1.30			1.20		1.56	
	330.00	360.00		1.00	0.80			1.00		0.80	
	360.00	390.00		1.00	1.20			1.10		1.32	
	390.00	420.00		1.00	0.90			1.20		1.08	
	420.00	452.70		1.00	1.00			1.20		1.20	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	1.50			1.30		1.95	
	30.00	60.00		1.00	1.20			1.20		1.44	
	60.00	90.00		1.00	1.00			1.00		1.00	
	90.00	100.60		1.00	0.80			1.20		0.96	
	1st Cross Raod Block B										
	0.00	19.30		1.00	1.00			1.50		1.50	

45.74

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD * BANGALORE *

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

54

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth CF	Quantity 45.74	Remarks
	Sri Sai Sannidi Appartment Road			0.00	0.00			0.00		0.00	
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	0.80			1.00		0.80	
	30.00	42.00		1.00	0.90			1.20		1.08	
	Road B/W 2nd Cross & 3rd Cross										
	0.00	31.00		1.00	1.20			1.10		1.32	
	Road B/W 3rd Cross & 4th Cross										
	0.00	30.80		1.00	1.10			1.30		1.43	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	1.20			1.10		1.32	
	2nd Cross Road										
	0.00	30.00		1.00	1.00			1.20		1.20	
	30.00	38.50		1.00	1.20			1.20		1.44	
	38.50	68.50		1.00	1.30			1.20		1.56	
	68.50	98.50		1.00	1.00			0.90		0.90	
	98.50	128.50		1.00	1.30			1.20		1.56	
	128.50	157.60		1.00	1.50			0.90		1.35	
	3rd Cross Road										
	0.00	30.00		1.00	1.20			1.20		1.44	
	30.00	60.00		1.00	1.00			1.00		1.00	
	60.00	90.00		1.00	0.80			1.20		0.96	
	90.00	114.60		1.00	1.30			1.00		1.30	
	4th Cross Road										
	0.00	30.00		1.00	1.30			1.20		1.56	
	30.00	60.00		1.00	1.00			1.50		1.50	
	60.00	90.00		1.00	1.30			1.20		1.56	
	90.00	120.00		1.00	1.10			0.90		0.99	
	120.00	150.00		1.00	1.20			0.80		0.96	
	150.00	173.30		1.00	1.00			1.30		1.30	
	5th Cross Road										
	0.00	30.00		1.00	1.50			2.00		3.00	
	30.00	60.00		1.00	1.20			1.50		1.80	
	60.00	90.00		1.00	1.20			1.80		2.16	
	90.00	120.00		1.00	1.00			1.20		1.20	
	120.00	130.00		1.00	1.00			0.60		0.60	
	2nd B Cross Road										
	LHS										
	0.00	30.00		1.00	1.20			1.80		2.16	
	30.00	60.00		1.00	1.00			1.60		1.60	
	60.00	87.60		1.00	1.70			1.50		2.55	
	RHS										
	0.00	30.00		1.00	1.00			1.50		1.50	
	30.00	60.00		1.00	1.60			1.70		2.72	
	60.00	87.60		1.00	1.25			1.20		1.50	
	1st Main Road Beside BBMP Park										
	LHS										
	0.00	30.00		1.00	1.20			1.80		2.16	
	30.00	60.00		1.00	1.00			1.60		1.60	
	60.00	90.00		1.00	1.80			1.50		2.70	

99.52

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

AE(NS)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palik
Bangalore - 560 092

55

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	RHS										
	0.00	30.00		1.00	1.00			1.50		1.50	
	30.00	60.00		1.00	1.60			1.70		2.72	
	60.00	90.00		1.00	1.25			1.20		1.50	
	2nd Main Road										
	0.00	30.00		1.00	1.00			1.30		1.30	
	30.00	60.00		1.00	1.70			1.00		1.70	
	60.00	90.00		1.00	1.50			1.20		1.80	
	8th Cross Road										
	LHS										
	0.00	30.00		1.00	1.00			1.50		1.50	
	30.00	60.00		1.00	1.80			1.00		1.80	
	60.00	86.00		1.00	1.20			1.80		2.16	
	RHS										
	0.00	30.00		1.00	1.50			1.00		1.50	
	30.00	60.00		1.00	1.20			1.50		1.80	
	60.00	86.00		1.00	1.00			1.20		1.20	
	8th A Cross Road										
	LHS										
	0.00	30.00		1.00	1.00			1.20		1.20	
	30.00	38.20		1.00	0.80			1.00		0.80	
	Amruthanagara A sector										
	Maruthi Farm 5th cross Rd										
	0.00	30.00		1.00	30.00			4.60		138.00	
	30.00	60.00		1.00	30.00			4.35		130.50	
	60.00	75.00		1.00	15.00			5.30		79.50	
	75.00	87.10		1.00	12.10			5.65		68.37	
	Appartment Beside Road (RHS)										
	0.00	30.00		1.00	30.00			3.90		117.00	
	30.00	60.00		1.00	30.00			3.55		106.50	
	60.00	90.00		1.00	30.00			3.55		106.50	
	90.00	121.00		1.00	31.00			3.65		113.15	
	Appartment Beside Road (LHS)										
	0.00	34.70		1.00	34.70			4.90		170.03	
	36.20	65.30		1.00	29.10			4.45		129.50	
	104.60	134.60		1.00	30.00			6.70		201.00	
	134.60	169.30		1.00	34.70			6.85		237.70	
	169.30	199.50		1.00	30.20			6.45		194.79	
	204.40	225.70		1.00	21.30			5.25		111.83	
	UGD Cut Portion										
	Maruthi Farm 8th Cross Road										
	0.00	30.00		1.00	30.00			1.50		45.00	
	30.00	60.00		1.00	30.00			1.50		45.00	
	60.00	90.00		1.00	30.00			1.50		45.00	
	90.00	120.00		1.00	30.00			1.50		45.00	
	120.00	138.00		1.00	18.00			1.50		27.00	
								Total		**2233.35**	**Sqm**

99.52

NOD AE(W2) 29/5

TEJAS CONSULTANTS Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Asstt Ly. N.D
Assistant Engineer
AE(W2)

Clerk 29/5

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

56

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
27	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	30.00	7.20	9.10	8.15		244.50	
	30.00	60.00		1.00	30.00	9.10	8.60	8.85		265.50	
	60.00	90.00		1.00	30.00	8.60	6.30	7.45		223.50	
	90.00	120.00		1.00	30.00	6.30	7.20	6.75		202.50	
	120.00	150.00		1.00	30.00	7.20	6.70	6.95		208.50	
	150.00	180.00		1.00	30.00	6.70	6.50	6.60		198.00	
	180.00	210.00		1.00	30.00	6.50	6.60	6.55		196.50	
	210.00	240.00		1.00	30.00	6.60	7.00	6.80		204.00	
	240.00	266.00		1.00	26.00	7.00	7.40	7.20		187.20	
	266.00	283.70		1.00	17.70	13.60	13.70	13.65		241.61	
	283.70	308.70		1.00	25.00	13.70	13.20	13.45		336.25	
	308.70	338.70		1.00	30.00	8.40	8.70	8.55		256.50	
	338.70	368.70		1.00	30.00	8.70	11.70	10.20		306.00	
	368.70	398.70		1.00	30.00	11.70	10.60	11.15		334.50	
	398.70	428.70		1.00	30.00	10.60	13.30	11.95		358.50	
	428.70	452.70		1.00	24.00	13.30	17.70	15.50		372.00	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	30.00	6.90	6.30	6.60		198.00	
	30.00	60.00		1.00	30.00	6.30	6.30	6.30		189.00	
	60.00	90.00		1.00	30.00	6.30	6.10	6.20		186.00	
	90.00	100.60		1.00	10.60	6.10	6.20	6.15		65.19	
	1st A Cross Raod										
	0.00	12.00		1.00	12.00	3.70	8.10	5.90		70.80	
	1st Cross Raod Block B Appartment										
	0.00	19.30		1.00	19.30	5.70	4.00	4.85		93.61	
	Sri Sai Sannidi Appartment Road Amruthnagar										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	30.00	5.00	3.90	4.45		133.50	
	30.00	42.00		1.00	12.00	3.90	4.90	4.40		52.80	
	Road B/W 2nd Cross & 3rd Cross rd										
	0.00	31.00		1.00	31.00	4.50	6.70	5.60		173.60	
	Road B/W 3rd Cross & 4th Cross rd										
	0.00	30.80		1.00	30.80	6.60	6.20	6.40		197.12	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	27.00	7.40	6.50	6.95		187.65	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	5.50	4.50	5.00		150.00	
	30.00	38.50		1.00	8.50	4.50	4.70	4.60		39.10	

5871.92

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

57

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	38.50	68.50		1.00	30.00	4.80	5.50	5.15		154.50	
	68.50	98.50		1.00	30.00	5.50	6.00	5.75		172.50	
	98.50	128.50		1.00	30.00	6.00	5.30	5.65		169.50	
	128.50	158.50		1.00	30.00	5.30	5.80	5.55		166.50	
	158.50	188.50		1.00	30.00	5.80	5.20	5.50		165.00	
	188.50	199.60		1.00	11.10	5.20	6.80	6.00		66.60	
	3rd Cross Road										
	0.00	30.00		1.00	30.00	5.60	4.30	4.95		148.50	
	30.00	60.00		1.00	30.00	4.30	5.80	5.05		151.50	
	60.00	90.00		1.00	30.00	5.80	6.70	6.25		187.50	
	90.00	114.60		1.00	24.60	6.70	7.00	6.85		168.51	
	4th Cross Road										
	0.00	30.00		1.00	30.00	5.70	4.90	5.30		159.00	
	30.00	60.00		1.00	30.00	4.90	4.70	4.80		144.00	
	60.00	90.00		1.00	30.00	4.70	6.30	5.50		165.00	
	90.00	120.00		1.00	30.00	6.30	4.90	5.60		168.00	
	120.00	150.00		1.00	30.00	4.90	5.70	5.30		159.00	
	150.00	173.30		1.00	23.30	5.70	8.50	7.10		165.43	
	5th Cross Road										
	0.00	30.00		1.00	30.00	5.20	5.40	5.30		159.00	
	30.00	60.00		1.00	30.00	5.40	5.90	5.65		169.50	
	60.00	90.00		1.00	30.00	5.90	5.90	5.90		177.00	
	90.00	120.00		1.00	30.00	5.90	6.20	6.05		181.50	
	120.00	130.00		1.00	10.00	6.20	7.50	6.85		68.50	
	2nd B Cross Road										
	0.00	30.00		1.00	30.00	4.50	4.90	4.70		141.00	
	30.00	60.00		1.00	30.00	4.90	4.80	4.85		145.50	
	60.00	87.60		1.00	27.60	4.80	5.50	5.15		142.14	
	1st Main Road Beside BBMP Park										
	0.00	30.00		1.00	30.00	5.30	5.90	5.60		168.00	
	30.00	60.00		1.00	30.00	5.90	6.20	6.05		181.50	
	60.00	90.00		1.00	30.00	6.20	6.50	6.35		190.50	
	90.00	120.00		1.00	30.00	6.50	5.70	6.10			
	120.00	150.00		1.00	30.00	5.70	6.80	6.25		187.50	
	150.00	180.00		1.00	30.00	6.80	7.20	7.00		210.00	
	180.00	210.00		1.00	30.00	7.20	6.00	6.60		198.00	
	210.00	240.00		1.00	30.00	6.00	5.90	5.95		178.50	
	240.00	270.00		1.00	30.00	5.90	5.50	5.70		171.00	
	270.00	279.50		1.00	9.50	5.50	6.40	5.95		56.53	
	2nd Main Road										
	0.00	30.00		1.00	30.00	7.40	5.00	6.20		186.00	
	30.00	60.00		1.00	30.00	5.00	5.80	5.40		162.00	
	60.00	90.00		1.00	30.00	5.80	5.40	5.60		168.00	
	90.00	120.00		1.00	30.00	5.40	4.60	5.00		150.00	
	120.00	150.00		1.00	30.00	4.60	5.70	5.15		154.50	
	150.00	180.00		1.00	30.00	5.70	5.50	5.60		168.00	
	180.00	210.00		1.00	30.00	5.50	5.70	5.60		168.00	
	210.00	240.00		1.00	30.00	5.70	6.20	5.95		178.50	

5871.90

12443.63

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE
Benaka

Assistant Engineer
AE(WT)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

58

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Bytaryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	240.00	270.00		1.00	30.00	6.20	6.20	6.20		186.00	
	270.00	298.50		1.00	28.50	6.20	6.50	6.35		180.98	
	8th Cross Road										
	0.00	27.00		1.00	27.00	5.30	6.10	5.70		153.90	
	27.00	57.00		1.00	30.00	8.50	5.60	7.05		211.50	
	57.00	86.00		1.00	29.00	5.60	6.50	6.05		175.45	
	8th A Cross Road										
	0.00	30.00		1.00	30.00	6.10	5.20	5.65		169.50	
	30.00	38.20		1.00	8.20	5.20	5.30	5.25		43.05	
	1st Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	5.50	4.20	4.85		145.50	
	30.00	48.70		1.00	18.70	4.20	4.60	4.40		82.28	
	3rd Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	7.50	5.60	6.55		196.50	
	30.00	60.00		1.00	30.00	5.60	5.40	5.50		165.00	
	60.00	90.00		1.00	30.00	5.40	4.50	4.95		148.50	
	90.00	120.00		1.00	30.00	4.50	7.40	5.95		178.50	
	4th Cross rd (2nd Main Rd- 1st Main rd)										
	0.00	30.00		1.00	30.00	5.60	4.40	5.00		150.00	
	30.00	60.00		1.00	30.00	4.40	6.80	5.60		168.00	
	60.00	90.00		1.00	30.00	6.80	5.90	6.35		190.50	
	90.00	109.30		1.00	19.30	5.90	6.50	6.20		119.66	
	5th Cross rd (2nd Main Rd- 1st Main rd)										
	0.00	30.00		1.00	30.00	5.80	5.00	5.40		162.00	
	30.00	60.00		1.00	30.00	5.00	6.70	5.85		175.50	
	60.00	90.00		1.00	30.00	6.70	5.90	6.30		189.00	
	90.00	104.30		1.00	14.30	5.90	8.30	7.10		101.53	
	5th Cross rd in Cross Rd 1										
	0.00	25.00		1.00	25.00	3.90	4.60	4.25		106.25	
	5th Cross rd in Cross Rd 2										
	0.00	30.00		1.00	30.00	7.30	7.00	7.15		214.50	
	30.00	55.00		1.00	25.00	7.00	5.80	6.40		160.00	
	6th Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	3.90	4.30	4.10		123.00	
	30.00	39.80		1.00	9.80	4.30	5.60	4.95		48.51	
	7th Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	4.70	6.00	5.35		160.50	
	30.00	40.30		1.00	10.30	6.00	6.50	6.25		64.38	
	1st Cross rd Maruthi Farm										
	0.00	25.90		1.00	25.90	5.00	3.50	4.25		110.08	
	2nd Cross rd Maruthi Farm										
	0.00	32.50		1.00	32.50	5.30	4.30	4.80		156.00	
	3rd Cross rd Maruthi Farm										
	0.00	30.00		1.00	30.00	5.20	3.50	4.35		130.50	
	30.00	38.50		1.00	8.50	3.50	4.00	3.75		31.88	
	4th Cross rd Maruthi Farm										
	0.00	30.00		1.00	30.00	5.10	4.40	4.75		142.50	
	30.00	44.30		1.00	14.30	4.40	3.50	3.95		56.49	

1243.63

17241.04

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

59

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Muniramayya Layout										
	0.00	30.00		1.00	30.00	4.00	3.20	3.60		108.00	
	30.00	48.00		1.00	18.00	3.20	2.20	2.70		48.60	
	5th A cross Road										
	0.00	30.00		1.00	30.00	6.00	4.70	5.35		160.50	
	30.00	62.70		1.00	32.70	4.70	5.80	5.25		171.68	
	7th cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	6.10	6.00	6.05		181.50	
	30.00	60.50		1.00	30.50	6.00	6.80	6.40		195.20	
	7th A cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	5.70	6.00	5.85		175.50	
	30.00	34.70		1.00	4.70	6.00	5.20	5.60		26.32	
	6th cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	5.60	5.70	5.65		169.50	
	30.00	60.00		1.00	30.00	5.70	5.50	5.60		168.00	
	60.00	83.20		1.00	23.20	5.50	5.70	5.60		129.92	
	1st cross Road C Sector										
	0.00	30.00		1.00	30.00	6.00	6.20	6.10		183.00	
	30.00	52.90		1.00	22.90	6.20	6.90	6.55		150.00	
								Deduct Prime Coat		-2233.35	
								Total		16875.40	Sqm

17241-04

19108.75

NPR DE(W7) 30/5

30/5

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

60

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
28	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.161 I.No.21.7 of PW,P&IWTD SR of 2016-17)										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	30.00	7.20	9.10	8.15		244.50	
	30.00	60.00		1.00	30.00	9.10	8.60	8.85		265.50	
	60.00	90.00		1.00	30.00	8.60	6.30	7.45		223.50	
	90.00	120.00		1.00	30.00	6.30	7.20	6.75		202.50	
	120.00	150.00		1.00	30.00	7.20	6.70	6.95		208.50	
	150.00	180.00		1.00	30.00	6.70	6.50	6.60		198.00	
	180.00	210.00		1.00	30.00	6.50	6.60	6.55		196.50	
	210.00	240.00		1.00	30.00	6.60	7.00	6.80		204.00	
	240.00	266.00		1.00	26.00	7.00	7.40	7.20		187.20	
	266.00	283.70		1.00	17.70	13.60	13.70	13.65		241.61	
	283.70	308.70		1.00	25.00	13.70	13.20	13.45		336.25	
	308.70	338.70		1.00	30.00	8.40	8.70	8.55		256.50	
	338.70	368.70		1.00	30.00	8.70	11.70	10.20		306.00	
	368.70	398.70		1.00	30.00	11.70	10.60	11.15		334.50	
	398.70	428.70		1.00	30.00	10.60	13.30	11.95		358.50	
	428.70	452.70		1.00	24.00	13.30	17.70	15.50		372.00	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	30.00	6.90	6.30	6.60		198.00	
	30.00	60.00		1.00	30.00	6.30	6.30	6.30		189.00	
	60.00	90.00		1.00	30.00	6.30	6.10	6.20		186.00	
	90.00	100.60		1.00	10.60	6.10	6.20	6.15		65.19	
	1st A Cross Raod										
	0.00	12.00		1.00	12.00	3.70	8.10	5.90		70.80	
	1st Cross Raod Block B										
	0.00	19.30		1.00	19.30	5.70	4.00	4.85		93.61	
	Sri Sai Sannidi Appartment Road Amruthnagar										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	30.00	5.00	3.90	4.45		133.50	
	30.00	42.00		1.00	12.00	3.90	4.90	4.40		52.80	
	Road B/W 2nd Cross & 3rd Cross										
	0.00	31.00		1.00	31.00	4.50	6.70	5.60		173.60	
	Road B/W 3rd Cross & 4th Cross										
	0.00	30.80		1.00	30.80	6.60	6.20	6.40		197.12	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	27.00	7.40	6.50	6.95		187.65	
	2nd Cross Road										
	0.00	30.00		1.00	30.00	5.50	4.50	5.00		150.00	
	30.00	38.50		1.00	8.50	4.50	4.70	4.60		39.10	
	38.50	68.50		1.00	30.00	4.80	5.50	5.15		154.50	
	68.50	98.50		1.00	30.00	5.50	6.00	5.75		172.50	

6198.92

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

61

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	98.50	128.50		1.00	30.00	6.00	5.30	5.65		169.50	
	128.50	158.50		1.00	30.00	5.30	5.80	5.55		166.50	
	158.50	188.50		1.00	30.00	5.80	5.20	5.50		165.00	
	188.50	199.60		1.00	11.10	5.20	6.80	6.00		66.60	
	3rd Cross Road										
	0.00	30.00		1.00	30.00	5.60	4.30	4.95		148.50	
	30.00	60.00		1.00	30.00	4.30	5.80	5.05		151.50	
	60.00	90.00		1.00	30.00	5.80	6.70	6.25		187.50	
	90.00	114.60		1.00	24.60	6.70	7.00	6.85		168.51	
	4th Cross Road										
	0.00	30.00		1.00	30.00	5.70	4.90	5.30		159.00	
	30.00	60.00		1.00	30.00	4.90	4.70	4.80		144.00	
	60.00	90.00		1.00	30.00	4.70	6.30	5.50		165.00	
	90.00	120.00		1.00	30.00	6.30	4.90	5.60		168.00	
	120.00	150.00		1.00	30.00	4.90	5.70	5.30		159.00	
	150.00	173.30		1.00	23.30	5.70	8.50	7.10		165.43	
	5th Cross Road										
	0.00	30.00		1.00	30.00	5.20	5.40	5.30		159.00	
	30.00	60.00		1.00	30.00	5.40	5.90	5.65		169.50	
	60.00	90.00		1.00	30.00	5.90	5.90	5.90		177.00	
	90.00	120.00		1.00	30.00	5.90	6.20	6.05		181.50	
	120.00	130.00		1.00	10.00	6.20	7.50	6.85		68.50	
	2nd B Cross Road										
	0.00	30.00		1.00	30.00	4.50	4.90	4.70		141.00	
	30.00	60.00		1.00	30.00	4.90	4.80	4.85		145.50	
	60.00	87.60		1.00	27.60	4.80	5.50	5.15		142.14	
	1st Main Road Beside BBMP Park										
	0.00	30.00		1.00	30.00	5.30	5.90	5.60		168.00	
	30.00	60.00		1.00	30.00	5.90	6.20	6.05		181.50	
	60.00	90.00		1.00	30.00	6.20	6.50	6.35		190.50	
	90.00	120.00		1.00	30.00	6.50	5.70	6.10		183.00	
	120.00	150.00		1.00	30.00	5.70	6.80	6.25		187.50	
	150.00	180.00		1.00	30.00	6.80	7.20	7.00		210.00	
	180.00	210.00		1.00	30.00	7.20	6.00	6.60		198.00	
	210.00	240.00		1.00	30.00	6.00	5.90	5.95		178.50	
	240.00	270.00		1.00	30.00	5.90	5.50	5.70		171.00	
	270.00	279.50		1.00	9.50	5.50	6.40	5.95		56.53	
	2nd Main Road										
	0.00	30.00		1.00	30.00	7.40	5.00	6.20		186.00	
	30.00	60.00		1.00	30.00	5.00	5.80	5.40		162.00	
	60.00	90.00		1.00	30.00	5.80	5.40	5.60		168.00	
	90.00	120.00		1.00	30.00	5.40	4.60	5.00		150.00	
	120.00	150.00		1.00	30.00	4.60	5.70	5.15		154.50	
	150.00	180.00		1.00	30.00	5.70	5.50	5.60		168.00	
	180.00	210.00		1.00	30.00	5.50	5.70	5.60		168.00	
	210.00	240.00		1.00	30.00	5.70	6.20	5.95		178.50	
	240.00	270.00		1.00	30.00	6.20	6.20	6.20		186.00	
	270.00	298.50		1.00	28.50	6.20	6.50	6.35		180.98	
	8th Cross Road										

6198.90

12993.60

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

62

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	27.00		1.00	27.00	5.30	6.10	5.70		153.90	
	27.00	57.00		1.00	30.00	8.50	5.60	7.05		211.50	
	57.00	86.00		1.00	29.00	5.60	6.50	6.05		175.45	
	8th A Cross Road										
	0.00	30.00		1.00	30.00	6.10	5.20	5.65		169.50	
	30.00	38.20		1.00	8.20	5.20	5.30	5.25		43.05	
	1st Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	5.50	4.20	4.85		145.50	
	30.00	48.70		1.00	18.70	4.20	4.60	4.40		82.28	
	3rd Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	7.50	5.60	6.55		196.50	
	30.00	60.00		1.00	30.00	5.60	5.40	5.50		165.00	
	60.00	90.00		1.00	30.00	5.40	4.50	4.95		148.50	
	90.00	120.00		1.00	30.00	4.50	7.40	5.95		178.50	
	4th Cross rd (2nd Main Rd- 1st										
	0.00	30.00		1.00	30.00	5.60	4.40	5.00		150.00	
	30.00	60.00		1.00	30.00	4.40	6.80	5.60		168.00	
	60.00	90.00		1.00	30.00	6.80	5.90	6.35		190.50	
	90.00	109.30		1.00	19.30	5.90	6.50	6.20		119.66	
	5th Cross rd (2nd Main Rd- 1st										
	0.00	30.00		1.00	30.00	5.80	5.00	5.40		162.00	
	30.00	60.00		1.00	30.00	5.00	6.70	5.85		175.50	
	60.00	90.00		1.00	30.00	6.70	5.90	6.30		189.00	
	90.00	104.30		1.00	14.30	5.90	8.30	7.10		101.53	
	5th Cross rd in Cross Rd 1										
	0.00	25.00		1.00	25.00	3.90	4.60	4.25		106.25	
	5th Cross rd in Cross Rd 2										
	0.00	30.00		1.00	30.00	7.30	7.00	7.15		214.50	
	30.00	55.00		1.00	25.00	7.00	5.80	6.40		160.00	
	6th Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	3.90	4.30	4.10		123.00	
	30.00	39.80		1.00	9.80	4.30	5.60	4.95		48.51	
	7th Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	4.70	6.00	5.35		160.50	
	30.00	40.30		1.00	10.30	6.00	6.50	6.25		64.38	
	1st Cross rd Maruthi Farm										
	0.00	25.90		1.00	25.90	5.00	3.50	4.25		110.08	
	2nd Cross rd Maruthi Farm										
	0.00	32.50		1.00	32.50	5.30	4.30	4.80		156.00	
	3rd Cross rd Maruthi Farm										
	0.00	30.00		1.00	30.00	5.20	3.50	4.35		130.50	
	30.00	38.50		1.00	8.50	3.50	4.00	3.75		31.88	
	4th Cross rd Maruthi Farm										
	0.00	30.00		1.00	30.00	5.10	4.40	4.75		142.50	
	30.00	44.30		1.00	14.30	4.40	3.50	3.95		56.49	
	Muniramayya Layout										
	0.00	30.00		1.00	30.00	4.00	3.20	3.60		108.00	
	30.00	48.00		1.00	18.00	3.20	2.20	2.70		48.60	
	5th A cross Road										

12993.60

17580.64

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

63

Bruhat Bengaluru Mahanagara Palike											
Bytarayanapura Division											
Job Code :-											
Name of Agency :- Benaka Developers & Project Pvt.Ltd.											
Bill No :-2nd & Part Bill											
Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byatarayanapura											
BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	30.00		1.00	30.00	6.00	4.70	5.35		160.50	
	30.00	62.70		1.00	32.70	4.70	5.80	5.25		171.68	
	7th cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	6.10	6.00	6.05		181.50	
	30.00	60.50		1.00	30.50	6.00	6.80	6.40		195.20	
	7th A cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	5.70	6.00	5.85		175.50	
	30.00	34.70		1.00	4.70	6.00	5.20	5.60		26.32	
	6th cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	5.60	5.70	5.65		169.50	
	30.00	60.00		1.00	30.00	5.70	5.50	5.60		168.00	
	60.00	83.20		1.00	23.20	5.50	5.70	5.60		129.92	
	1st cross Road C Sector										
	0.00	30.00		1.00	30.00	6.00	6.20	6.10		183.00	
	30.00	52.90		1.00	22.90	6.20	6.90	6.55		150.00	
								Total		19291.75	Sqm

17580.64

NDP DE(WD) 03/6

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

64

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
30	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)										
	Amruthanagara A sector										
	1st Main Road										
	LHS										
	0.00	30.00		1.00	30.00	7.20	9.10	8.15	0.04	9.78	
	30.00	60.00		1.00	30.00	9.10	8.60	8.85	0.04	10.62	
	60.00	90.00		1.00	30.00	8.60	6.30	7.45	0.04	8.94	
	90.00	120.00		1.00	30.00	6.30	7.20	6.75	0.04	8.10	
	120.00	150.00		1.00	30.00	7.20	6.70	6.95	0.04	8.34	
	150.00	180.00		1.00	30.00	6.70	6.50	6.60	0.04	7.92	
	180.00	210.00		1.00	30.00	6.50	6.60	6.55	0.04	7.86	
	210.00	240.00		1.00	30.00	6.60	7.00	6.80	0.04	8.16	
	240.00	266.00		1.00	26.00	7.00	7.40	7.20	0.04	7.49	
	266.00	283.70		1.00	17.70	13.60	13.70	13.65	0.04	9.66	
	283.70	308.70		1.00	25.00	13.70	13.20	13.45	0.04	13.45	
	308.70	338.70		1.00	30.00	8.40	8.70	8.55	0.04	10.26	
	338.70	368.70		1.00	30.00	8.70	11.70	10.20	0.04	12.24	
	368.70	398.70		1.00	30.00	11.70	10.60	11.15	0.04	13.38	
	398.70	428.70		1.00	30.00	10.60	13.30	11.95	0.04	14.34	
	428.70	452.70		1.00	24.00	13.30	17.70	15.50	0.04	14.88	
	2nd Main Road in 1st Cross Raod										
	0.00	30.00		1.00	30.00	6.90	6.30	6.60	0.04	7.92	
	30.00	60.00		1.00	30.00	6.30	6.30	6.30	0.04	7.56	
	60.00	90.00		1.00	30.00	6.30	6.10	6.20	0.04	7.44	
	90.00	100.60		1.00	10.60	6.10	6.20	6.15	0.04	2.61	
	1st A Cross Raod										
	0.00	12.00		1.00	12.00	3.70	8.10	5.90	0.04	2.83	
	1st Cross Raod Block B										
	0.00	19.30		1.00	19.30	5.70	4.00	4.85	0.04	3.74	
	Sri Sai Sannidi Appartment Road Amruthnagar										
	Road B/W 1st cr & 2nd Cross rd										
	0.00	30.00		1.00	30.00	5.00	3.90	4.45	0.04	5.34	
	30.00	42.00		1.00	12.00	3.90	4.90	4.40	0.04	2.11	
	Road B/W 2nd Cross & 3rd Cross										
	0.00	31.00		1.00	31.00	4.50	6.70	5.60	0.04	6.94	
	Road B/W 3rd Cross & 4th Cross										
	0.00	30.80		1.00	30.80	6.60	6.20	6.40	0.04	7.88	
	Road B/W 4th Cross & 5th Cross										
	0.00	27.00		1.00	27.00	7.40	6.50	6.95	0.04	7.51	
	2nd Cross Road										

227.31

Consultant

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

AE(W-7)

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

65

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	0.00	30.00		1.00	30.00	5.50	4.50	5.00	0.04	6.00	
	30.00	38.50		1.00	8.50	4.50	4.70	4.60	0.04	1.56	
	38.50	68.50		1.00	30.00	4.80	5.50	5.15	0.04	6.18	
	68.50	98.50		1.00	30.00	5.50	6.00	5.75	0.04	6.90	
	98.50	128.50		1.00	30.00	6.00	5.30	5.65	0.04	6.78	
	128.50	158.50		1.00	30.00	5.30	5.80	5.55	0.04	6.66	
	158.50	188.50		1.00	30.00	5.80	5.20	5.50	0.04	6.60	
	188.50	199.60		1.00	11.10	5.20	6.80	6.00	0.04	2.66	
	3rd Cross Road										
	0.00	30.00		1.00	30.00	5.60	4.30	4.95	0.04	5.94	
	30.00	60.00		1.00	30.00	4.30	5.80	5.05	0.04	6.06	
	60.00	90.00		1.00	30.00	5.80	6.70	6.25	0.04	7.50	
	90.00	114.60		1.00	24.60	6.70	7.00	6.85	0.04	6.74	
	4th Cross Road										
	0.00	30.00		1.00	30.00	5.70	4.90	5.30	0.04	6.36	
	30.00	60.00		1.00	30.00	4.90	4.70	4.80	0.04	5.76	
	60.00	90.00		1.00	30.00	4.70	6.30	5.50	0.04	6.60	
	90.00	120.00		1.00	30.00	6.30	4.90	5.60	0.04	6.72	
	120.00	150.00		1.00	30.00	4.90	5.70	5.30	0.04	6.36	
	150.00	173.30		1.00	23.30	5.70	8.50	7.10	0.04	6.62	
	5th Cross Road										
	0.00	30.00		1.00	30.00	5.20	5.40	5.30	0.04	6.36	
	30.00	60.00		1.00	30.00	5.40	5.90	5.65	0.04	6.78	
	60.00	90.00		1.00	30.00	5.90	5.90	5.90	0.04	7.08	
	90.00	120.00		1.00	30.00	5.90	6.20	6.05	0.04	7.26	
	120.00	130.00		1.00	10.00	6.20	7.50	6.85	0.04	2.74	
	2nd B Cross Road										
	0.00	30.00		1.00	30.00	4.50	4.90	4.70	0.04	5.64	
	30.00	60.00		1.00	30.00	4.90	4.80	4.85	0.04	5.82	
	60.00	87.60		1.00	27.60	4.80	5.50	5.15	0.04	5.69	
	1st Main Road Beside BBMP Park										
	0.00	30.00		1.00	30.00	5.30	5.90	5.60	0.04	6.72	
	30.00	60.00		1.00	30.00	5.90	6.20	6.05	0.04	7.26	
	60.00	90.00		1.00	30.00	6.20	6.50	6.35	0.04	7.62	
	90.00	120.00		1.00	30.00	6.50	5.70	6.10	0.04	7.32	
	120.00	150.00		1.00	30.00	5.70	6.80	6.25	0.04	7.50	
	150.00	180.00		1.00	30.00	6.80	7.20	7.00	0.04	8.40	
	180.00	210.00		1.00	30.00	7.20	6.00	6.60	0.04	7.92	
	210.00	240.00		1.00	30.00	6.00	5.90	5.95	0.04	7.14	
	240.00	270.00		1.00	30.00	5.90	5.50	5.70	0.04	6.84	
	270.00	279.50		1.00	9.50	5.50	6.40	5.95	0.04	2.26	
	2nd Main Road										
	0.00	30.00		1.00	30.00	7.40	5.00	6.20	0.04	7.44	
	30.00	60.00		1.00	30.00	5.00	5.80	5.40	0.04	6.48	
	60.00	90.00		1.00	30.00	5.80	5.40	5.60	0.04	6.72	
	90.00	120.00		1.00	30.00	5.40	4.60	5.00	0.04	6.00	
	120.00	150.00		1.00	30.00	4.60	5.70	5.15	0.04	6.18	
	150.00	180.00		1.00	30.00	5.70	5.50	5.60	0.04	6.72	
	180.00	210.00		1.00	30.00	5.50	5.70	5.60	0.04	6.72	

227.31

497.93

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

66

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	210.00	240.00		1.00	30.00	5.70	6.20	5.95	0.04	7.14	
	240.00	270.00		1.00	30.00	6.20	6.20	6.20	0.04	7.44	
	270.00	298.50		1.00	28.50	6.20	6.50	6.35	0.04	7.24	
	8th Cross Road										
	0.00	27.00		1.00	27.00	5.30	6.10	5.70	0.04	6.16	
	27.00	57.00		1.00	30.00	8.50	5.60	7.05	0.04	8.46	
	57.00	86.00		1.00	29.00	5.60	6.50	6.05	0.04	7.02	
	8th A Cross Road										
	0.00	30.00		1.00	30.00	6.10	5.20	5.65	0.04	6.78	
	30.00	38.20		1.00	8.20	5.20	5.30	5.25	0.04	1.72	
	1st Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	5.50	4.20	4.85	0.04	5.82	
	30.00	48.70		1.00	18.70	4.20	4.60	4.40	0.04	3.29	
	3rd Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	7.50	5.60	6.55	0.04	7.86	
	30.00	60.00		1.00	30.00	5.60	5.40	5.50	0.04	6.60	
	60.00	90.00		1.00	30.00	5.40	4.50	4.95	0.04	5.94	
	90.00	120.00		1.00	30.00	4.50	7.40	5.95	0.04	7.14	
	4th Cross rd (2nd Main Rd- 1st										
	0.00	30.00		1.00	30.00	5.60	4.40	5.00	0.04	6.00	
	30.00	60.00		1.00	30.00	4.40	6.80	5.60	0.04	6.72	
	60.00	90.00		1.00	30.00	6.80	5.90	6.35	0.04	7.62	
	90.00	109.30		1.00	19.30	5.90	6.50	6.20	0.04	4.79	
	5th Cross rd (2nd Main Rd- 1st										
	0.00	30.00		1.00	30.00	5.80	5.00	5.40	0.04	6.48	
	30.00	60.00		1.00	30.00	5.00	6.70	5.85	0.04	7.02	
	60.00	90.00		1.00	30.00	6.70	5.90	6.30	0.04	7.56	
	90.00	104.30		1.00	14.30	5.90	8.30	7.10	0.04	4.06	
	5th Cross rd in Cross Rd 1										
	0.00	25.00		1.00	25.00	3.90	4.60	4.25	0.04	4.25	
	5th Cross rd in Cross Rd 2										
	0.00	30.00		1.00	30.00	7.30	7.00	7.15	0.04	8.58	
	30.00	55.00		1.00	25.00	7.00	5.80	6.40	0.04	6.40	
	6th Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	3.90	4.30	4.10	0.04	4.92	
	30.00	39.80		1.00	9.80	4.30	5.60	4.95	0.04	1.94	
	7th Cross rd (2nd Main Rd)										
	0.00	30.00		1.00	30.00	4.70	6.00	5.35	0.04	6.42	
	30.00	40.30		1.00	10.30	6.00	6.50	6.25	0.04	2.58	
	1st Cross rd Maruthi Farm										
	0.00	25.90		1.00	25.90	5.00	3.50	4.25	0.04	4.40	
	2nd Cross rd Maruthi Farm										
	0.00	32.50		1.00	32.50	5.30	4.30	4.80	0.04	6.24	
	3rd Cross rd Maruthi Farm										
	0.00	30.00		1.00	30.00	5.20	3.50	4.35	0.04	5.22	
	30.00	38.50		1.00	8.50	3.50	4.00	3.75	0.04	1.28	
	4th Cross rd Maruthi Farm										
	0.00	30.00		1.00	30.00	5.10	4.40	4.75	0.04	5.70	
	30.00	44.30		1.00	14.30	4.40	3.50	3.95	0.04	2.26	

497.98

696.96

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE
Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

67

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Job Code :-

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill No :-2nd & Part Bill

Name Of work : -Improvements to roads and drains Amruthanagara A sector and D Munishamappa Layout in ward no 07.Byataryanapura

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Cer- Depth	696.96 Quantity	Remarks
	Muniramayya Layout										
	0.00	30.00		1.00	30.00	4.00	3.20	3.60	0.04	4.32	
	30.00	48.00		1.00	18.00	3.20	2.20	2.70	0.04	1.94	
	5th A cross Road										
	0.00	30.00		1.00	30.00	6.00	4.70	5.35	0.04	6.42	
	30.00	62.70		1.00	32.70	4.70	5.80	5.25	0.04	6.87	
	7th cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	6.10	6.00	6.05	0.04	7.26	
	30.00	60.50		1.00	30.50	6.00	6.80	6.40	0.04	7.81	
	7th A cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	5.70	6.00	5.85	0.04	7.02	
	30.00	34.70		1.00	4.70	6.00	5.20	5.60	0.04	1.05	
	6th cross Road 1st Main rd										
	0.00	30.00		1.00	30.00	5.60	5.70	5.65	0.04	6.78	
	30.00	60.00		1.00	30.00	5.70	5.50	5.60	0.04	6.72	
	60.00	83.20		1.00	23.20	5.50	5.70	5.60	0.04	5.20	
	1st cross Road C Sector										
	0.00	30.00		1.00	30.00	6.00	6.20	6.10	0.04	7.32	
	30.00	52.90		1.00	22.90	6.20	6.90	6.55	0.04	6.00	N.D AE(WC)
								Total		771.67	Cum 21/8

Certified
21/8

TEJUS CONSULTANTS
Consultant

BENAKA DEVELOPERS AND PROJECTS PVT LTD
BANGALORE

Apply. N.D
Assistant Engineer
AE(WC)

Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092